

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/608,810
				Filing Date	June 26, 2003
				First Named Inventor	Eran Steinberg
				Art Unit	2624
				Examiner Name	Seth, Manav
Sheet	1	of	6	Attorney Docket Number	FN-102A-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	4448510	05-15-1984	Murakoshi	
	2.	4796043	01-03-1989	Izumi et al.	
	3.	4970663	11-13-1990	Bedell et al.	
	4.	4975969	12-04-1990	Tal	
	5.	5008946	04-16-1991	Ando	
	6.	5051770	09-24-1991	Cornuejols	
	7.	5111231	05-05-1992	Tokunaga	
	8.	5161204	11-03-1992	Hutcheson et al.	/
	9.	5305048	04-19-1994	Suzuki et al.	
	10.	5331544	07-19-1994	Lu et al.	
	11.	5353058	10-04-1994	Takei	
	12.	5384615	01-24-1995	Hsieh et al.	
	13.	5432863	07-11-1995	Benati et al.	
	14.	5450504	09-12-1995	Calia	
	15.	5465308	11-07-1995	Hutcheson et al.	
	16.	5493409	02-20-1996	Maeda et al.	
	17.	5715325	02-03-1998	Bang et al.	
	18.	5771307	06-23-1998	Lu et al.	
	19.	5850470	12-15-1998	Kung et al.	
	20.	5905807	05-18-1999	Kado et al.	
	21.	5966549	10-12-1999	Hara et al.	
	22.	6028960	02-22-2000	Graf et al.	
	23.	6035074	03-07-2000	Fujimoto et al.	
	24.	6061055	05-09-2000	Marks	
	25.	6108437	08-22-2000	Lin	
	26.	6128398	10-03-2000	Kuperstein et al.	
	27.	6134339	10-17-2000	Luo	
	28.	6173068	01-09-2001	Prokoski	
	29.	6246779	06-12-2001	Fukui et al.	
	30.	6246790	06-12-2001	Huang et al.	
	31.	6252976	06-26-2001	Schidkraut et al.	
	32.	6278491	08-21-2001	Wang et al.	
	33.	6463163	10-08-2002	Kresch	
	34.	6529630	03-04-2003	Kinjo	
	35.	6549641	04-15-2003	Ishikawa et al.	
	36.	6587119	07-01-2003	Anderson et al.	
	37.	6661907	12-09-2003	Ho et al.	
	38.	6747690	06-08-2004	Molgaard	
	39.	6754368	06-22-2004	Cohen	
	40.	6760485	07-06-2004	Gilman et al.	
	41.	6778216	08-17-2004	Lin	
	42.	6792135	09-14-2004	Toyama	
	43.	6816611	11-09-2004	Hagiwara et al.	
	44.	6829009	12-07-2004	Sugimoto	
	45.	6900840	05-31-2005	Schinner et al.	
	46.	6959109	10-25-2005	Moustafa	
	47.	6965684	11-15-2005	Chen et al.	
	48.	7027621	04-11-2006	Prokoski	

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/608,810
				Filing Date	June 26, 2003
				First Named Inventor	Eran Steinberg
				Art Unit	2624
				Examiner Name	Seth, Manav
Sheet	2	of	6	Attorney Docket Number	FN-102A-US

	49.	7035462	04-25-2006	White et al.	
	50.	7039222	05-02-2006	Simon et al.	
	51.	7042511	05-09-2006	Lin	
	52.	7043465	05-09-2006	Pirim	
	53.	7057653	06-06-2006	Kubo	
	54.	7106374	09-12-2006	Bandera et al.	
	55.	7110569	09-19-2006	Brodsky et al.	
	56.	7194114	03-20-2007	Schneiderman	
	57.	7227976	06-05-2007	Jung et al.	
	58.	7269292	09-11-2007	Steinberg	
	59.	7295233	11-13-2007	Steinberg et al.	
	60.	7315630	01-01-2008	Steinberg et al.	
	61.	7315631	01-01-2008	Corcoran et al.	
	62.	7317815	01-08-2008	Steinberg et al.	
	63.	7336821	02-26-2008	Ciuc et al.	
	64.	7362368	04-22-2008	Steinberg et al.	
	65.	7403643	07-22-2008	Ianculescu et al.	
	66.	7440593	10-21-2008	Steinberg et al.	

**U.S. PATENT PUBLICATIONS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	67.	2001/0005222	06-28-2001	Yamaguchi	
	68.	2001/0038714	11-08-2001	Masumoto et al.	
	69.	2002/0118287	08-29-2002	Grosvenor et al.	
	70.	2002/0176609	11-28-2002	Hsieh et al.	
	71.	2002/0181801	12-05-2002	Needham et al.	
	72.	2003/0023974	01-30-2003	Dagtas et al.	
	73.	2003/0123713	07-03-2003	Geng	
	74.	2003/0151674	08-14-2003	Lin	
	75.	2003/0169907	09-11-2003	Edwards et al.	
	76.	2004/0022435	02-05-2004	Ishida, Y.	
	77.	2004/0095359	05-20-2004	Simon et al.	
	78.	2004/0170397	09-02-2004	Ono	
	79.	2004/0175021	09-09-2004	Porter et al.	
	80.	2004/0179719	09-16-2004	Chen et al.	
	81.	2004/0218832	11-04-2004	Luo et al.	
	82.	2004/0228505	11-18-2004	Sugimoto	
	83.	2004/0264744	12-30-2004	Zhang et al.	
	84.	2005/0041121	02-24-2005	Steinberg et al.	
	85.	2005/0068446	03-31-2005	Steinberg et al.	
	86.	2005/0068452	03-31-2005	Steinberg et al.	
	87.	2005/0089218	04-28-2005	Chiba	
	88.	2005/0104848	05-19-2005	Yamaguchi et al.	
	89.	2005/0105780	05-19-2005	Ioffe	
	90.	2005/0140801	06-30-2005	Prilutsky et al.	
	91.	2005/0185054	08-25-2005	Edwards et al.	
	92.	2005/0275721	12-15-2005	Ishii	
	93.	2006/0006077	01-12-2006	Mosher et al.	
	94.	2006/0008152	01-12-2006	Kumar et al.	
	95.	2006/0008173	01-12-2006	Matsugu et al.	

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/608,810
				Filing Date	June 26, 2003
				First Named Inventor	Eran Steinberg
				Art Unit	2624
				Examiner Name	Seth, Manav
Sheet	3	of	6	Attorney Docket Number	FN-102A-US

96.	2006/0029265	02-09-2006	Kim et al.	
97.	2006/0039690	02-23-2006	Steinberg et al.	
98.	2006/0050933	03-09-2006	Adam et al.	
99.	2006/0098875	05-11-2006	Sugimoto	
100.	2006/0098890	05-11-2006	Steinberg et al.	
101.	2006/0120599	06-08-2006	Steinberg et al.	
102.	2006/0140455	06-29-2006	Costache et al.	
103.	2006/0147192	07-06-2006	Jian et al.	
104.	2006/0210264	09-21-2006	Yoshihiro	
105.	2006/0257047	11-16-2006	Kameyama et al.	
106.	2006/0268150	11-30-2006	Kameyama et al.	
107.	2006/0269270	11-30-2006	Yoda et al.	
108.	2006/0280380	12-14-2006	Li et al.	
109.	2006/0285754	12-21-2006	Steinberg et al.	
110.	2006/0291739	12-28-2006	Li et al.	
111.	2007/0070440	03-29-2007	Li et al.	
112.	2007/0071347	03-29-2007	Li et al.	
113.	2007/0116379	05-24-2007	Corcoran et al.	
114.	2007/0116380	05-24-2007	Ciuc et al.	
115.	2007/0122056	05-31-2007	Steinberg et al.	
116.	2007/0160307	07-12-2007	Steinberg et al.	
117.	2007/0189606	08-16-2007	Ciuc et al.	
118.	2007/0189748	08-16-2007	Drimbarean et al.	
119.	2007/0189757	08-16-2007	Steinberg et al.	
120.	2007/0201724	08-30-2007	Steinberg et al.	
121.	2007/0296833	12-27-2007	Corcoran et al.	
122.	2008/0013798	01-17-2008	Ionita et al.	
123.	2008/0031498	02-07-2008	Corcoran et al.	
124.	2008/0037827	02-14-2008	Corcoran et al.	
125.	2008/0037838	02-14-2008	Ianculescu et al.	
126.	2008/0037839	02-14-2008	Corcoran et al.	
127.	2008/0037840	02-14-2008	Steinberg et al.	
128.	2008/0043122	02-21-2008	Steinberg et al.	
129.	2008/0049970	02-28-2008	Ciuc et al.	
130.	2008/0055433	03-06-2008	Steinberg et al.	
131.	2008/0075385	03-27-2008	David et al.	
132.	2008/0175481	07-24-2008	Petrescu et al.	
133.	2008/0205712	08-28-2008	Ionita et al.	
134.	2008/0240555	10-02-2008	Nanu et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	135.	EP 1 626 569	02-15-2006	Fuji Photo Film Co. Ltd.		
	136.	JP 05-164475	06-23-2005	Mitutoyo		
	137.	JP 06-005662	01-05-2006	Nippon Kogaku KK		
	138.	JP 06-254358	09-21-2006	Omron		
	139.	WO 07-095477	08-23-2007	FotoNation		
	140.	WO 07-095483	08-23-2007	FotoNation		

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	10/608,810
				Filing Date	June 26, 2003
				First Named Inventor	Eran Steinberg
				Art Unit	2624
				Examiner Name	Seth, Manav
Sheet	4	of	6	Attorney Docket Number	FN-102A-US

	141.	WO 07-095553	08-23-2007	FotoNation	
	142.	WO 07-142621	12-13-2007	FotoNation	
	143.	WO 08-015586	02-07-2008	FotoNation	
	144.	WO 08-018887	02-14-2008	FotoNation	
	145.	WO 08-023280	02-28-2008	FotoNation	
	146.	WO 08-104549	09-04-2008	FotoNation	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	147.	Batur, A. et al., "Adaptive Active Appearance Models," IEEE, Vol. 14, No. 11, 11/2005, pp. 1707-1721.			
	148.	Buenaposada, J., "Efficiently Estimating 1-3, 16 Facial Expressions and Illumination in Appearance-Based Tracking," Proc. British Machine Vision Conf., 9/4/2006, XP002494036, 10 pages.			
	149.	Cootes, T. F. et al., "A Comparative Evaluation of Active Appearance Model Algorithms," Proc. 9 <sup>th</sup> British Machine vision Conf., Brit. Machine Vision Assoc., 1998, pp. 680-689.			
	150.	Cootes, T. F. et al., "Modeling Facial Shape and Appearance," Handbook of Face Recognition, Chapter 3, Springer, 2005, XP002494037, 26 pgs.			
	151.	Cootes, T. F. et al., "On Representing Edge Structure for Model Matching," CVPR Vol. 1, 2001, pp. 1114-1119.			
	152.	Crowley, J. et al., "Multi-Modal Tracking of Faces for Video Communication," In Computer Vision and Patent Recognition, 1997. <a href="http://citeseer.ist.psu.edu/crowley97multimodal.html">http://citeseer.ist.psu.edu/crowley97multimodal.html</a>			
	153.	Donner, Rene et al., "Fast Active Appearance Model Search using Canonical Correlation Analysis," IEEE, Vol. 28, No. 10, 10/2006, pp. 1690-1694.			
	154.	Edwards, G. J. et al., "Advances in Active Appearance Models," Proceedings of the 7th IEEE International Conference on Computer Vision (ICCV '99), vol. 1, pp. 137-142, Kerkyra, Greece, September 1999.			
	155.	Edwards, G. J. et al., "Learning to Identify and Track Faces in Image Sequences," Automatic Face and Gesture Recognition, Proc., IEEE, 4/14/1998, XP010277593, pp. 260-265.			
	156.	Feraud, R. et al., "A Fast and Accurate Face Detector Based on Neural Networks," IEEE, Vol. 23, No. 1, Jan. 2001, pp. 42-53.			
	157.	Froba, B. et al., "Face Detection With The Modified Census Transform," Dept. of Applied Elect., Proceedings of 6 <sup>th</sup> IEEE, 2004, pp. 1-6, XP-002455697.			
	158.	Froba, B. et al., "Real Time Face Detection," Dept. of Applied Electronics, 2002, XP-2455696A, pp. 1-6.			
	159.	Gerbrands, J., "On the Relationships Between SVD, KLT, and PCA, 1981, Pattern Recognition, Vol. 14, Nos. 1-6, pp. 375-381.			
	160.	Goodall, Charles, "Procrustes Methods in the Statistical Analysis of Shape," Journal of the Royal Statistical Society, Series B., Vol. 53, No. 2, 1991, pp. 285-339.			
	161.	Hou, Xinwen et al., "Direct Appearance Models," IEEE, 2001, pp. 1828-1833.			
	162.	Huang et al., "Detection of human faces using decision trees" 2nd International Conference on Automatic Face and Gesture Recognition (FG '96), p. 248 IEEE Xplore <a href="http://doi.ieeeecomputersociety.org/10.1109/AFGR/1996.html">http://doi.ieeeecomputersociety.org/10.1109/AFGR/1996.html</a> , 2 pgs.			
	163.	International Search Report and Written Opinion, PCT/US2006/021393, filed 6/2/06, entitled, "Modification of Post-Viewing Parameters for Digital Images Using Image Region or Feature Information, ISR/WO dated 3/29/2007, 12 pgs.			
	164.	International Search Report and Written Opinion, PCT/US2006/060392, filed 10/31/06,			

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/608,810
				Filing Date	June 26, 2003
				First Named Inventor	Eran Steinberg
				Art Unit	2624
				Examiner Name	Seth, Manav
Sheet	5	of	6	Attorney Docket Number	FN-102A-US

	entitled, "Digital Image Processing using Face Detection and Skin Tone Information," ISR/WO dated 9/19/08, 9 pgs.	
165.	International Search Report and Written Opinion, PCT/IB2007/003724, 8/28/08, 9 pgs.	
166.	International Search Report and Written Opinion, PCT/EP2007/006540, 11/8/07, 11 pgs.	
167.	International Search Report and Written Opinion, PCT/EP2007/006540, 11/7/08, 6 pgs.	
168.	International Search Report and Written Opinion, PCT/EP2008/001510, 5/29/08, 13 pgs.	
169.	International Search Report and Written Opinion, PCT/EP2008/052329, 9/15/08, 12 pgs.	
170.	Jones, M. et al., "Fast Multi-View Face Detection," Mitsubishi Electric Research Laboratories, 2003, <a href="http://www.merl.com/papers/docs/TR2003-96.pdf">http://www.merl.com/papers/docs/TR2003-96.pdf</a> , 10 pgs.	
171.	Kouzani, A. Z., "Illumination-Effects Compensation in Facial Images," IEEE, 1999, p. VI-840-VI-844.	
172.	Lai, J. et al., "Face recognition using holistic Fourier in variant features," Pattern Recognition 34 (2001), pp. 95-109. <a href="http://digitalimaging.inf.brad.ac.uk/publication/pr34-1.pdf">http://digitalimaging.inf.brad.ac.uk/publication/pr34-1.pdf</a> .	
173.	Lei, Z. et al., "A CBIR Method Based on Color-Spatial Feature," IEEE Region 10th Ann. Int. Conf. 1999 (TENCON'99, Cheju, Korea, 1999)	
174.	Lienhard, R. et al., "A Detector Tree of Boosted Classifiers for Real-Time Object Detection and Tracking," Proc. of the 2003 Intl. Conf. on Multimedia and Expo - Vo. 1, pp. 277-280 (2003), ISBN:0-7803-7965-9, Publisher IEEE Computer Society, Washington, DC, USA.	
175.	Matthews, I. et al., "Active appearance models revisited," International Journal of Computer Vision, vol. 60, no. 2, pp. 135-164, 2004.	
176.	Mekuz, N. et al., "Adaptive Step Size Window Matching for Detection," Proc. Of the 18 <sup>th</sup> Intl. Conf. on Pattern Recog., Vol. 2, 8/2006, pp. 259-262.	
177.	Mitra, S. et al., "Gaussian Mixture Models Based on the Frequency Spectra for Human Identification and Illumination Classification," Automatic Identification Advanced Tech., 4 <sup>th</sup> IEEE Workshop on Buffalo, NY, IEEE, 2005, pp. 245-250.	
178.	Nordstrom, M. M. et al., "The IMM Face Database: An Annotated Dataset of 240 Face Images," Informatics and Mathematical Modelling; Tech. Univ. of Denmark, Denmark: 2004.	
179.	Ohta, Y.-I. et al., "Color Information for Region Segmentation," Comp. Graphics and Image Processing, Academic Press, NY, Vol. 13, No. 3, 7/1/1980, XP008026458, pp. 222-241.	
180.	Romdhani, S. et al., "Face Identification by Fitting a 3D Morphable Model using Linear Shape and Texture Error Functions," European Conf. on Computer Vision, Berlin, DE, 1/1/2002, XP003018283, 15 pgs.	
181.	Ryu et al., "Coarse-to-Fine Classification for Image-Based Face Detection," Carnegie Mellon Univ., Pittsburgh, PA, 5/1999, ch. 6, p. 92, subsection 8.3.	
182.	Sharma, G. et al., "Digital Color Imaging," IEEE Transactions On Image Processing, vol. 6, No. 7, 1997, pp. 901-932.	
183.	Sim, T. et al., "The CMU Pose, Illumination, and Expression (PIE)," Database of Human Faces Robotics Institute, Carnegie Mellon University, Pittsburgh, PA, Tech. Report, CMU-RI-TR-01-02, January 2001, 9 pages.	
184.	Smeraldi, F. et al., "Facial Feature Detection by Saccadic Exploration of the Gabor Decomposition," Image Processing, 1998 Intl. Conf., 10/4/1998, pp. 163-167.	
185.	Soriano, M. et al., "Making Saturated Facial Images Useful Again," Proc. Of the Spie, Spie, Bellingham, VA, Vol. 3826, 6/17/99, pp. 113-121.	
186.	Stegman, M. B. et al., "FAME - A Flexible Appearance Modelling Environment," IEEE Transactions on Medical Imaging, Vol. 22, No. 10, pp. 1319-1331.	
187.	Stegman, M. B. et al., "Multi-Band Modelling of Appearance," Image Vision Comp., Vol. 21, No. 1, 1/10/2003, XP009104697, pp. 61-67.	
188.	Stricker et al., "Similarity of Color Images," SPIE Proc., 1995, pp. 1-12.	

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/608,810
				Filing Date	June 26, 2003
				First Named Inventor	Eran Steinberg
				Art Unit	2624
				Examiner Name	Seth, Manav
Sheet	6	of	6	Attorney Docket Number	FN-102A-US

	189.	Tianhorng, C. et al., "Texture Analysis and Classification with Tree-Structured Wavelet Transform," IEEE Trans. Of Image Processing, Vol. 2, No. 4, Oct. 1993, pp. 429-441.	
	190.	Tjahyudi et al., "Application of the DCT Energy Histogram for Face Recognition," Proc. Of the 2 <sup>nd</sup> Intl. Conf. on Information Technology for Applicaiotn, ICITA, 2004, pp. 305-310.	
	191.	Tkalcic, M. et al., "Colour Spaces Perceptual, Historical and Applicational Background," IEEE, EUROCON, 2003, Sept. 22-24, 2003, Vol. 1, pp. 304-308.	
	192.	Turk, M. et al., "Eigenfaces for Recognition," Journal of Cognitive Neuroscience, Mass. Institute of Technology, Vol. 3, No. 1, 1991, pp. 71-86,	
	193.	Wan, S. J. et al., "Variance Based Color Image Quantization for Frame Buffer Display," Color Res. Applicat., Vol.15, No. 1, 1990, pp. 52-58.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.